



* FRAME HEIGHTS ARE AVAILABLE IN 1 FOOT INCREMENTS UP TO 10 FEET.
* OPENING SIZE : A X B



1. DESIGN SCREW GATES AND FRAMES FOR A MINIMUM FACE PRESSURE EQUAL TO 5 FEET OF HEAD ABOVE THE GATE OPENING AND ZERO BACK PRESSURE. SCREW GATES ARE INTENDED FOR A MAXIMUM OPENING SIZE OF 6 FT.x 6 FT.
2. CONSTRUCT SCREW GATE AND FRAME WITH CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 183, GRADE 36, OPTIONAL GALVANIZING IN ACCORDANCE WITH AASHTO SPECIFICATION M 111.
3. MOUNT FRAME USING EITHER FLAT BACK OR SPIGOT BACK DETAILS DEPENDING ON CONDITIONS.
4. SUBMIT, IN ALL CASES, SHOP DRAWINGS FOR APPROVAL. SIMILAR SCREW GATES AND FRAMES CAN BE USED SUBJECT TO THE APPROVAL OF SHOP DRAWINGS.
5. SEE MANUFACTURES DETAILS FOR FRAME SIZES, AND PLACEMENT OF MOUNTING BOLTS.

STRUCTURAL STEEL: $f_s = 20,000$ PSI
DESIGN SEATING HEAD : 0-5 FT.

[illegible]

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL

CHAIRMAN STANDARDS COMMITTEE
APPROVED

JULY 03, 2002
DATE

JULY 03, 2002
DATE

DEPUTY DIRECTOR

REMARKS

STANDARD SCREW GATE & FRAME

STANDARD DRAWING TITLE

STD DWG
GF 7